

Eagle Neck Creek 0 Old County Road

Eagle Neck Creek is part of the Pamet River system, the Natural salt marsh historically altered by the installation of a railroad berm and a roadway embankment (Old County Road), both of which segmented the Estuary into distinct environments. Upstream of Old County Road the marsh suffers from a restricted tidal flow, causing marsh resources to convert to tidal flat. Eagle Neck Creek is surrounded by a combination of private -owned single- family homes and the Cape Cod national Seashore. The goal of the project is to restore salt marsh resources to Eagle Neck Creek by removing tidal restrictions, thus allowing degraded vegetative communities to revert to diverse compositions more closely resembling what existed prior to construction of old county road and the railroad berm. The project includes the four following elements:

- Install a new culvert under Old County Road to restore tidal flow. Increase from an 8" diameter failing culvert to 8x8 box culvert. It is important to note that the 8" culvert was installed into one of two failed 36" culverts as a temporary repair to maintain limited tidal flow.
- Widen and deepen the railroad berm opening to alleviate tidal restrictions and minimize scour.
- Dredge the channel between Old County Road and the railroad berm to remove tidal restrictions.
- Raise Stick Bridge Road to mitigate for increased flooding through the new culvert.

This project is undergoing a Chapter 91 permitting review. Bidding to be announced Spring of 2021 for Fall construction of 2021. Total estimated construction cost 1.9 million. All preliminary engineering and design work have been funded by a grant through the Division of Ecological Restoration within the Massachusetts Department of Fish and Game. 75% of the construction cost is funded by a grant provided by the USDA National Resources Conservation Service.

Sincerely,
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